

Sound Fields and Sound Antennae, by V. Eshneemann,
H. Hecht, 28 pp.

GERMAN, per, Physik Z, Vol XVIII, 1917, pp 261-
270.

81A 58-367

Sci
Jul 59

93,004

Mechanical Theories of the Electromagnetic Field,
by Arthur Kera, 6 pp.

GERMAN, per, Physik Z, Vol XVIII, 1917, pp 323-526.

EEur-Germany

FDD/X 4156

18 Mar 1960

Determination of a Crystal System by Means of
X-rays, by C. Runge.

BRUNNEN, per, Physikalische Z, Vol XXI, 1917,
pp 509-515.

NIH 2-2-63

Sci - Phys

May 61

232,004

Sound Transmitters and Sound Receivers² by W.
Hahnenmann, Hecht, 19 pp.

GERMAN, per, Physik Z, Vol XX, Mar 1919, pp
104-114.

SLA 58-129

Sci
Jul 59

93,005

The Molecular Electric Field in Gases, by P. Debye.

GERMAN, per, Physikalische Zeitschrift, Vol. XX,
1919, pp 160, 161.

No 20

24, 702

Air Res and Dev Command

TT-1 G TT - 2 Q V

Scientific - Physics

Am 55 OTS/DEK

Translation on tape

On the Decay Modulus of Fluorescence,
by O. Stern, M. Volmer.
GERMAN, per, Physik Z., Vol XX, 1919, pp 183-186.
9231666
AEC-ORNL-Tr-898

Sci - Biol
Jan 66

also S.L.A. Tr 693/1955

294,291

Sound Transmitters and Sound Receivers, by
Hahnenmann, Hecht, 21 pp.

GERMAN, per, Physik Z, Vol XX, June 1919, pp
245-251.

SLA 58-128

Sci
Jul 59

93,006

The New Phenomena Discovered With the Aid of the New
Amplifier, by H. Barkhausen, 6 pp.

GERMAN, per, Physik Z, Vol XX, 1919, pp 401-403.

SLA 57-2209

Sci
May 58

63,275

The Fundamental Form of the Mechanical Acoustic
Oscillating System, by W. Hagenmann, H. Hecht, 21 pp.

GERMAN, per, Physik Z, Vol XXI, No 8, Apr 15, 1920,
pp 187-192.

SLA 58-348

Sci
Jul 59

93,007

Transmitter and Receiver, III, by W. Hahnemann, H
Hecht, 17 pp.

GERMAN, per, Physik Z, Vol XXI, 1926, pp 264-270.

SLA 58-188

Sci
Jul 59

93,025

Sound Transmitters and Sound Receivers. IV, by
W. Hohmann, H. Hecht, 11 pp.

GERMAN. per. Physik Z., Vol XXI, 15 Aug 1920,
pp 426-430

SLA 58-41

Sci

Jul 59

91,307

Horovitz, K.
ON THE APPARENT DIMINUTION OF DISTANT
OBJECTS (Über die Scheinbare Verkleinerung
Entfernter Objekte). [1961] [5]p. (foreign text in-
cluded) 5 refs.
Available on loan from SLA 61-14735

Trans. of Physik[alische] Zeitschr[ift] (Germany)
1920, v. 21, p. 499-500.

DESCRIPTORS: *Eye, *Optical illusions, *Visual
perception, Adjustment (Psychology), *Optics,
*Vision, *Ophthalmology, *Visual activity, Tests.

(Unannounced)

61-14735

1. Title: Micropsta, Mac. nsta
1. Horovitz, K.

161756

Office of Technical Services

✓
The Elastic After-Effect, by K. Bennewitz,
5 pp.

GERMAN, per, Physik Zeitschr, Vol XXI, 1920,
pp 703-705. CIA D 513.

A.C.S.I.L. Trans 583

Sci - Physics

30,099

An Appraisal of the Traditional Interpretation of
Thermodynamics, by M. Born, 20 pp.

GERMAN, per, ~~Fachbereich Physik~~ Physik Z,
Vol XXII, 1921, pp 218-224, 282-286.

SLA Tr 1435/56

Sci - Physics
Mar 57 CTS

45, 2/2

The Photographic Density Law for X-Rays, by
R. Glocker, W. Traub, 18 pp.

GERMAN, per, Physikalische Z, Vol XXII, No 12, 1921,
pp 345-352. 9093315

AEC NP Tr-845

Sci - Phys
Apr 62

191, 296

The Fundamental Form of the Gaseous, Acoustic
Oscillation System, by W. Rahnemann, H. Hecht,
17 pp.

GERMAN, Ger, Physik Z., Vol XXII, 15 Jun 1921,
p. 353-360.

SLA 50-28

Sci

Jul 59

91,306

On the Intensity and Broadening of Spectral Lines,
by Chr Fuchtbauer, G. Joos.

GERMAN, per, *Physikalische Zeitschrift*, Vol
~~XXI~~, 1922, pp 73-80. *Nov 3*

Air Res and Dev Command

Scientific - Physics

TT56 *TI-LGU*

Translation on tape Jun 55 CTS

24705

On the Influence of Foreign Gases in Saturated
Sodium Vapor, by R. Minkowski.

GERMAN, per, Physikalische Zeitschrift, No 23, 1922,
pp 69-73.

Air Res and Dev Command

Scientific - Physics

TT 18 G

TT-196 V

24,700

Translation on tape Jun 55 OTS

On an Intermediate Discrepancy in the Electro-
dynamic and Relativistic Theory of Electro-
magnetic Mass, by E. Fermi. 10 pp.

GERMAN, per, Physik Zeit, Vol 23, 1922,
pp 340-344.

NASA TT F-12,554

Sci-Phys
Dec 69

398,490

The Determination of Dielectric Constant in the
Electromagnetic Spectrum of Undamped Oscillations,
by K. Theodortschick. 6 pp.
GERMAN, per, Physik Zeit, Vol 23, 1922,
pp 344-346.
NASA TT F-12,671

Sci-Phys
Dec 69

398,485

Notes on the Essay: Magnetic Permeability of
and Artificial Magnetic Medium by Alexander
Goldhammer, by H. Maurer.
GERMAN, per, Physik Zeit, Vol 23, 1922,
pp 346-347.
NASA TT F-12,672

Sci-Phys
Dec 69

398,491

The Tensile Strength of Rock Salt, by F.
Zwicky, 12 pp.
GERMAN, per, Physikalische Zeitschrift, Vol 24,
1923, pp 131-137. P911180857
AEC IA Tr-67-9

326,469

Sci - Materials
June 67

Debye, P. and Huckel. THEORY OF ELECTROLYTES. II. THE LIMITING LAW OF ELECTRICAL CONDUCTIVITY. [1960] [25]p. (2 figs. omitted) 31 refs. Order from SLA mi\$2.70, ph\$4.80	61-10328
Partial trans. (p. 316-325) of Physik[alische] Zeitschrift (Germany) 1923, v. 24 (no. 15) p. 305-325.	I. Electrolytes--Conductivity I. Debye, P. II. Huckel III. Title: Limiting...
(Unannounced)	Office of Technical Services

148,489

Schuler, M.
THE DISTURBANCE OF PENDULUM AND GYRO AP-
PARATUS THROUGH THE ACCELERATION OF THE
VEHICLE. [1961] 12p. 2 refs.
Order from SLA \$1.60

62-10303

Trans. of [Physikalische Zeitschrift (Germany) 1923,
v. 24, no. 16, p. 344-350].
Another trans. is available from SLA mi\$2.40, ph\$3.30
as 89-15222 [1959] 20p.

DESCRIPTORS: Acceleration, Gyroscopes.

OTS 77-44-71245

(Unannounced)

62-10303

I. Schuler, M.

Office of Technical Services

Proof that a Mechanical Normal System in General
is Quasi-Ergodic. On the Existence of Quasi-
Ergodic Systems, by Enrico Fermi, 9 pp.

GERMAN, per, Physikalische Zeitschrift, # Vol XXIV,
1923, pp 261-265; Vol XXV, 1924, pp 166-167,
9206060.

ABC/UCRL Tr 891 (L)

Sci - Phys

230, 685

May 63

On the Elastic After-Effect, Elastic Hysteresis,
and Internal Friction, by K. Bornewitz.

GERMAN, per, Physikalische Zeitschrift, Vol XXV,
No 17, p1924, pp 417-431.

Dept of Navy Tr 4457/APL/JHU T-1581

296,445

Sci-Phys, Engr.

Feb 66

On the Elastic After-Effect, Elastic Hysteresis and
Internal Friction, by H. Jordan.

GERMAN, per, Physikalische Zeitschrift, Vol XXIV,
No 22, 1924, pp 579-584.

*Navy/APL J319

Sci - Phys
Feb 64

Modification Changes of Zircon and Hafnium, by
C. Zwikker.

^{Physico.}
GERMAN, per, ~~Engrin~~, No 6, 1926, pp 361-365.

UCRL-Tr-887(L)

Sci - Mat/Met

Jun 63

On Conditions of Stability as Governed by Control Devices and Energy-Storing Devices, by E. Friedlander, 14 pp.

GERMAN, per, Phys. Z., Vol XIVII, No 11, Jan 1926, pp 361-365.

SLA 57-3025

Sci

71,018

Aug 58

Collisional Broadening of Spectral Lines and Dis-
tinctness of Quantum States, by G. Hettner, 6 pp.
UNCLASSIFIED

GERMAN, per, Physikalische Zeitschrift, Vol XXVII,
1926, pp 787-789.

Air Res & Div Command

T-90 QF
18,873

Scientific - Physics

Cataphoresis, by G. Ettisch, D. Deutsch, 5 pp.

GERMAN, per, Physik Z, Vol XXVIII, No 3, 1 Feb
1927, pp 153.

SLA Tr 57-~~1460~~
1460

Sci - Electronics.
Jan 58

58,176

Kuhl, A.
ON THE INFLUENCE OF THE CONTRAST MARGIN
ON PRECISION MEASUREMENTS. PT. J. LAW OF
CONTRAST. PT. 3. IMAGE MARGIN (Über den
Einfluss des Grenzkontrastes auf Präzisionsmessungen.
Das Kontrastgesetz. Die Bildgrenze). [15p].
Order from SLA \$1.60

TT-61-14271

Trans. of Physikalische Zeitschrift (Germany)
1928, v. 29, p. 2-5, 18.

(Biological Sciences--Physiology, TT, v. 12, no. 5)

TT-61-14271

I. Kuhl, A.
II. Title: Law ...
III. Title: Image ...

Office of Technical Services

The Theory of Discontinuous Liquid Motions and
Reality, by F. Ahlborn, 21 pp.

GERMAN, Physik Z, Vol, XXIX, 1 1 Jan 1928,
pp 34-41.

SLA TR 57-565

Sci - Physics

50,610

Aug 57

On the Use of Accidental Double Refraction
in the Study of Stress Distribution in
Stressed Bodies, by H. Maaditler,
FOR GOVERNMENT USE ONLY
GERMAN, per, Physikalische Z, Vol XXIX, No 15,
1928, pp 497-534. 9696443
DDC ISIC-336

Sci - Phys
Apr 65

278,250

A New Method Whereby the Air is Directly Controlled by Electrical Oscillations, by M. Brenzinger, F. Dessauer, 6 pp.

GERMAN, per, Physik Z, Vol XXIX, No 18, 15 Sep 1928, pp 654-655.

SIA ⁴
fr 57-1567

Sci - Physics
Oct 57

54, 610

The Theory of Hearing the Form of Vibration of the
Basilar Membrane, by G. V. Békésy, 50 pp.

GERMAN, per, Physik Z, Vol. ~~XXIX~~, 15 Nov 1928, pp 793-
810.

SLA 57-2084

Sci
May 58

63,261

The Theory of Hearing. The Determination of the
Field of Excitation of the Basilar Membrane
Corresponding to a Pure Tone (Sound) Sensation,
by Means of Fatigue Phenomena, by G. Bekesy, 38 pp.

GERMAN, per, Phys. Z., Vol XXX, 1 Mar 1929, pp 115-
125.

S.L.A. Tr 57-364

Sci - Physics
May 57

48, 714

Neumann, J. v. and Wigner, E.
CONCERNING THE BEHAVIOR OF EIGENVALUES
BY THE ADIABATIC PROCESS. [1962] 13p. 9 refs.
Order from SLA \$1.60 62-18223

Trans. of Physik[alische] Zeitschr[ift] (Germany) 1962
v. 33, p. 177-183.

DESCRIPTIONS: *quantum mechanics, *Matrix algebra
Real variables, Functions.

(Cf. also: Documental, 171, v. 2, no. 10)

62-18223

J. Neumann, J. v.
E. Wigner, E.

Order from SLA \$1.60

Technical remarks on the electron counter,
by Geiger, H., Muller, W., 7 pp.

GERMAN, per, Physik Z, 30, no 16, 1929,
p 489-93.

ATS-11E20

Sci

Aug 59

94, 358

Column Ionization in Gases at Elevated Pressures,
by G. Jaffe, 17 pp.

GERMAN, per, Physik Z, Vol XXX, 1929, pp 849-856.

^ AEC NP Tr-437

Sci - Phys
Aug 60

123,977

A New Interpretation of the Mathematical
Interrelationships of Radioactive Decay,
by H. Wulfke.

GERMAN, per, Physik Ztschr, Vol XXX,
1929, pp 899-901. 9230462

AEC- ORNL-Tr-707

Sci-Math
Dec 65

293,331

Summarizing Reports. X-Ray Dispersion, by
E. Nahring, 29 pp.
GERMAN, per, Phy. Zeitschrift, Vol 31, No 9, 1930,
pp 401-418.
ARM/RSIC/Tr-885-68
GOVERNMENT USE ONLY

Sci/Phy
Feb 69

374,159

X-Ray Diffraction and Atomic Dimensions,
by P. Debye.
GERMAN, per, Physikalische Z., Vol XXXI, 1930,
pp 419-428. 9230582
UCRL Tr 1268(L)

Sci - NS
Jan 66

294,2417

Changes in the Electrical Conductivity of Ferro-
Magnetic Materials in Longitudinal Magnetic Fields,
by O. Stierstadt, 14 pp.

GERMAN, per, Phys Z., Vol XXXI, No 12, 15 Jun 1930,
pp 561-574.

SLA 57-3226

Sci

Aug 58

73,135

The Alloying of the Ternary System Iron-Nickel-Cobalt, by H. Kuhlewein, 35 pp.

GERMAN, per, Physik Z, Vol XXXI, 1930, pp 626-640.

SLA 57-1365

May 58

63,858

Original Communications. The Theory of Hearing.
Directional Hearing in Connection With a Difference in
Time or Inequality of Sound Intensity of the Sound
Effects of Both Sides, by G. V. Békésy, 86 pp.

GERMAN, per, Physik Z, Vol XXXI,¹⁵ Sep 1930,¹ pp 824-835,
857-868.

SLA 57-2068

Sci
May 58

63,260

The Theory of Hearing. Directional Hearing
in Connection with a Difference in Time of ²
Inequality of Sound Intensity of the Sound
Effects of Both Sides, by G. V. Bekesy, 85
pp.

GERMAN, per, Phys Z., Vol XXXI, 1930, pp 824-
835, 857-868.

SLA 57-3475

Sci - Aug 58

72, 722

A New Kind of Photoelectric Cell, by B. Lange, 7 pp.

GERMAN, per, Physik Z., Vol XXXI, 1930, pp 964-969.

SLA 57-3096

Sci

Aug 58

71, 031

Theoretical Examination of Dust Deposition From
Flowing Air and Its Application to the Theory of
Dust Filters, by Fritz von Albrecht, 20 pp.
UNCLASSIFIED

GERMAN, no per, Physik Zeitschrift, Vol XXVII,
1931, pp 46-56.

OTS 61-20874

ARDC

(Air Research Development Command
Baltimore, Md.) T-3 GU

CIA 2503788

Scientific - Physics
Serial Number-to-follow.

110,483

A New Selenium Rectifying Layer Photoelectric
Cell, by L. Bergmann, 6 pp.

GERMAN, per, Phys Z, Vol XXXII, No 7, 1 Apr 1931,
pp 286-288.

SIA Tr 57-315

Sci - Electronics
Jul 57

51,334

Ornstein, I. S.
ARC TEMPERATURE. [1962] [8]p. (figs. omitted)
10 refs.

Order from SLA \$1.10

62-18303

Trans. of Physik[alische] Zeitschrift (Germany) 1931,
v. 32, p. 517-520.

DESCRIPTORS: *Electric arcs. *High temperature re-
search, Gas discharges, Atomic spectroscopy.

(Physics--Theoretical. IT, v. 9, no. 6)

62-18303

I. Ornstein, I. S.

Office of Technical Services

The Distribution of Radioactive Substances
in the Free Air, by Josef Priebisch, 16 pp.

GERMAN, per, Physikalische Zeitschrift,
Vol XXXII, 1931, pp 622-629.

Air Res and
Dev Command

Scientific - Astronomy

T-205 G-U
CTB/DEX

13,525
T-G-43

The Keer Constant of Nitrobenzene, by R.
Moller.

GERMAN, per, Physikalische Zeitschrift,
Vol 32, No 18, pp 697-718, 1931 9229829
AEC SC-T-65-717

Sci-Chem
Nov 65

291,995

Contribution to the Physics of the Nitrobenzene
Kerr Cell, by F. Hehlhams.
GERMAN, per, Physik. Zeit., pp 718-727, 803-808,
951-957, 971-974, Vol 32, 1931 9229882
AEC SC-T-65-722

Sci-Phys
Nov 65

291,661

The Temperature Dependence of Dielectric
Polarization in Some Benzene Derivatives,
by E. Bretscher.

GERMAN, per, Physikalische Zeitschrift, Vol 32,
1931, pp 765-773.

NTC-71-12495-07D

ALL SC-7-65-721 20 pp

Nov 71

On the Gas Concentration of Electron Rays, by W.
Ende, 9 pp.

GERMAN, per, Physik Z, Vol XXXII, No 23, Dec 1931,
pp 942-945.

SLA Tr 57-937

Sci - Physics

52,261

Sep 57

Reinkober, O.
THE ELASTIC AND MECHANICAL PROPERTIES OF
THIN QUARTZ FIBRES, PT. II. [1961] 17p. (2 figs.
omitted) 7 refs.
Order from SLA ml\$2. 40, ph\$3. 30 61-10845

Trans. of Physikalische Zeitschrift (Germany) 1932,
v. 33, p. 32-38.

(Unannounced)

61-10845

1. Quartz fibers--Elasticity
2. Quartz fibers--
Mechanical properties
1. Reinkober, O.

148678

Office of Technical Services

Influence of Air Moisture Content and
Temperature Upon the Nature of the Discharge in
Electrostatic Filters, by S. P. Zebrowski, 9pp
GERMAN, per, Physikalische Zeitschrift, /Vol 33,
1932, pp 727-729
SLA TT-64-16247

Sci- Phy
June 67

327,564

Stimulation of X-Radiation by Canal-Ray Impacts,
by C. Gerthsen, W. Reusse, 12 pp.
GERMAN, per, Physikallische Zeitschrift, Vol XXXIV,
1933, pp 478-482. 9224339
AEC-UCRL-Tr-1056(L)

Sci-Phys
Aug 64

265,154

Papp, W.
THE EFFECT OF THE ANODE UPON THE STABILITY OF THE HOMOGENEOUS COLUMN PLASMA IN ARGON. [1963] 14p. 5 refs.
Order from SLA \$1.60

63-18147

Trans. of Physik[alische] Zeitschrift (Germany) 1933, v. 34, p. 756-761.

DESCRIPTORS: *Gas discharges, *Argon, *Mercury, Vapors, *Discharge tubes, *Plasma oscillations, Gas ionization, Ion sources, *Anodes.

(Physics--Electronics, TT, v. 10, no. 11)

63-18147

I. Papp, W.

Office of Technical Services

The Phase-Contrast Method in Microscopic
Observation, by F. Zernike.

GERMAN, per, Physikalische Zeitschrift
Vol 16, No 1, 1935, pp 454-457.

Dept of Navy APL/JHU J-1249

Sci/Phys
Nov 68

Pupp, W.
OSCILLOGRAPH PROBE MEASUREMENTS ON
MOVING LAYERS IN THE POSITIVE COLUMN OF
RARE GASES. [1963] 12p. 3 refs.
Order from SLA \$1.60

63-14458

Trans. of Physik[alische] Zeitsch[rift] (Germany) 1935,
v. 36, p. 61-66.

DESCRIPTORS: *Plasma physics, *Gas discharges,
*Glow discharges, Electric fields, Measurement,
Oscillographs, *Probes (Electromagnetic), Design,
*Discharge tubes, Low pressure research,
*Helium group gases, Argon.

(Physics--Electronics, TT, v. 10, no. 7)

63-14458

1. Pupp, W.

Office of Technical Services

The Quantitative Evaluation of the Sharpness of
Definition of X-ray Tubes, by H. Behnken.

BERMAN, per, Phys. Z., Vol XXXVI, No 4, Feb 1935,
pp 123-131.

TPA3/TIB
T 3794C
P 21772T

Scientific - Physics

13,969

Practical Applications of the Diffraction of
Light on Supersonic Waves, by S. J. Bokoleff, 4 p.

GERMAN, per, Physikalische Zeitschrift, 1935,
Vol XXXVI, No 4, pp 142-144.

SLA 59-17681

Sci
Feb 60
Vol 2, No 10

108,919

Ray Laue Diagram on Crystals in Piezo-Electric
Vibration, by F. Klawer.

GERMAN, per, Physikalische Z. Vol XXXVI, 1935,
pp 208-211.

CSIRO

Di - Phys
Fig 52

207, 241

Calculation of the Maximum Volume of Vapor
Bubbles, by Walter Fritz, 11 pp.
GERMAN, per, Physikalische Zeit. No 11, 1935,
pp 379-383
ARM/RSIC/Tr-884-68
GOVERNMENT USE ONLY

Sci/Phy
Feb 69

374,157

Critical Phase Energy Systems of Pure Electro-
neutral Phases, by H. Hohn, E. Lange, 62 pp.

GERMAN, per, Physik Z, Vol XXXVI, 1935, pp 603-624.

AEC Tr 2945

Sci - Physics
Aug 57

51,833

R-9881-D

Agency: Army/Redstone
MIPR No. 77160100-99-7008

8 Nov. 68

Title: ON THE EVAPORATION PROCESS ACCORDING TO
MOVING PICTURE FILMING OF VAPOR BUBBLES.
Author: Fritz, W. and Ende, W.
Source: Physikalische Zeitschrift, 37, 391 - 401 (1936)

Language: German

Special Instructions: Please translate.
Edited draft only.

Modulation of Light ~~at~~ by Means of a Vibrating
Quartz Crystal, by H. E. R. Becker, W. Hanke,
O. Maercks, 5 pp.

GERMAN, per, Phys Z., Vol. XXXVII, No ~~12~~ 11, 1 Jun
1936, pp 414-415.

B.L.A. Tr 57-330

Sci - Physics
Jun 57

48, 784

Investigation of the Microresistance of Super-
conductors, by P. Grassman,
GERMAN, per, Physikalische Zeitschrift, No 16,
37, 1936, pp 569-578. 9233234
ABC MATT-tr-28

Sci/Physics
Aug 66

306,272

Measurement of the True Specific Heat of
Silver, Nickel, 8-Brass, Quarts, and Quarts
Glass Between 50 and 700° C by an Improved
Method, by Helmut Moser, 47 p.

GERMAN, per, Physikalische Zeitschrift,
Vol XXVII, 1936, pp 737-753. 9700281
AFCRL G-T-G-65-9

Sci-Phys
May 66

297,763

Fritz, W. and Homann, F.
THE TEMPERATURE DISTRIBUTION IN BOILING
WATER (Über die Temperaturverteilung im
Siedenden Wasser). [1962] [10]p. 7 refs.
Order from SLA \$1.10 62-14476

Trans. of Physikalische Zeitschrift (Germany) 1936,
v. 37 [no. 24] p. 873-[878].

DESCRIPTORS: Water, Boiling, Temperature,
Distribution, Thermodynamics, Heat transfer.

(Unannounced)

62-14476

I. Fritz, W.
II. Homann, F.

Office of Technical Services

Sound Absorption in Solid Bodies, by L. Landau, G. Rumer, 10 pp.
GERMAN, per, Physikalische Zeitschrift DER Sowjetunion,
Vol XI, No 18-25, 1937. 9218848

Emmanuel Coll Res Lang Ctr
E-T-G-63-24

Sci - Phys
Feb 64

249, 130

Reinkober, O.
MECHANICAL STRENGTH AND ELASTICITY OF
THIN QUARTZ FIBERS [PT. III]. [1961] 26p. (7 figs.
omitted) 27 refs.
Order from SLA m\$2.70, ph\$4.80 61-10846

Trans. of Physikalische Zeitschrift (Germany) 1937,
v. 38, p. 112-122.

(Unannounced)

61-10846

1. Quartz fibers--Elasticity
2. Quartz fibers--
Mechanical properties
1. Reinkober, O.

148683

Office of Technical Services

Change of the Saturation Magnetization Through
Unilateral Pressure, by H. Ebert, A. Kussmann.
Göttingen, Ger, Physikalische Zeitschrift, Vol 58,
1937, pp 437-445. P911099466
REC SC-T-06-0744

(20%) - G. 8-361-652 - MIT/LIN LAB
RECEIVED FROM HTC

Sci/Physics
Dec 66

314,637

Studies of Nuclear Transformations and
Cosmic Rays, by W. Bothe, 5 pp.

GERMAN, per, Phys Z., Vol XXXVIII, 1937,
pp 964-965.

S.L.A. Trans 905

Sci - Nuclear Physics

29,921

Change of Resistance of Aluminum Single Crystals in
Strong Magnetic Fields at Low Temperatures, by E.
Justi, H. Scheffers,

GERMAN, per, Physik Z, Vol XXXIX, 1938, pp 105-109.

AEC UCRL-Tr-502(L)

Sci - Phys

May 60

117, 385

Pre-dissociation in the CO Spectrum at 8.83
Volts, by R. Schmid, L. Gero, 7 pp.

GERMAN, per, Physikalische Z., Vol XXXIX, No 11,
1938, pp 460-462. ~~CIA D 151004~~

Air Res and Dev Command
T-229 CU

Scientific - Geophysics Mar 55 CTS/DEX

21,648

Development and Advances of the Problem of the
Determination of the Size and Charge of Single
Particles, by P. Ehrenhaft, 44 pp.

GERMAN, per, Physik Z, Vol XXXIX, 1938, pp 673-687.

SLA Tr 57-884

Sci - Electricity, Physics 52,369

Sep 57

The Evaporation Process Observed by Slow-Motion
Filming of Vapor Bubbles, by W. Fritz, W. Ende,
22 pp.
GERMAN, per, Phy. Zeit., Vol 37, 1936, pp 391-401.
ARJ/PSIC/Tr-865-68
GOVERNMENT USE ONLY

Sci/Phy

TT-61-14272

Kühl, A.
THE TWILIGHT PERFORMANCE OF TELESCOPES.
7p 3refs.
Order from SLA \$1.10

TT-61-14272

Trans. of Physikalische Zeitschrift (Germany) 1936,
v. 37, no. 22/23, p. 912-914.

L. Kühl, A.

(Biological Sciences - Physiology, TT, v. 12, no. 5)

Office of Technical Services

Influence of the Molecule Form on Dielectric
Relaxation, by A. Budo.

OKREAN, per, Phys Z., Vol XL, 1939, pp 337-345.

IESDOC-T1368

Sci

Aug 58

71,180

Concerning The Plastic-Elastic State, by K. Bennewitz
and H. ~~Rotger~~ 8 pp. UNCLASSIFIED
Rotger

GERMAN, ~~DEU~~. Physik 8, Vol XL, 1939, pp 416-428.

AEC Tr 1831

Scientific - Physics

April 54 CTS/DEX

11,809

A Simple Arrangement for Neutron Generation, by
C. Weiss, H. Westmeyer, 12 pp.

GERMAN, per, ~~8~~ Physik Z, Vol XL, 1939,
pp 461-466.

AEC UCRL-Trans-586(L)

Sci - Phys
13 Mar 61

141,289

Dielectric Relaxation Investigations With Regard to
the Molecular and Intermolecular Structure of
Dipolar Liquids, by E. Fischer.

GERMAN, Ger, Physik Z, Vol XL, 1939, pp 645-663.

DISDOC-41369

Sci
Aug 58

68,259

Electron-Optical Cylinder Lens Action of the
Stray Fields of a Condenser, by Richard Herzog.
GERMAN, per, Physikalische Zeitschrift, Vol 41,
1940, pp 18-26.
NASA TT F-13,863

Mar 72

**Experimental Investigation of Pressure Drop and
Flow Velocity Distribution in Pipes With Regular
Pattern of Roughness in Turbulent Flow, »
by Heinz Mobius, 43 pp.
GERMAN, per, Physikalische Zeitschrift, Vol XLI,
(1940, pp 202-225. 96933533
DDC RSIC-220**

**Sti-Phys
Aug 64**

263,174

The Function of Copper in the Tungsten Copper
Barium Cathode, by K. Bruning, 21 pp.

GERMAN, per, Phys. Z., Vol XLII, No 11, 12, 1940,
pp 285-290.

S.L.A. Tr No 57-6

Sci - Physics
Apr 57

46,912

Justi, E., Kramer, J., and Schulze, Reinhart.
GALVANOMAGNETIC EXPERIMENTS CONCERNING
THE MECHANISM OF ELECTRICAL CONDUCTION
IN SINGLE CADMIUM CRYSTALS. [1962] 49p. 24 refs.
Order from SLA \$4.60 63-10656

Trans. of Physik[alische] Zeitschr[ift] (Germany) 1940,
v. 41, p. 308-325.

DESCRIPTORS: *Cadmium, *Single crystals, Electro-
magnetic properties, *Electrical conductance, Magnetic
fields, *Resistance (Electrical), Temperature,
Measurement.

(Physica--Solid State, TT, v. 10, no. 1)

63-10656

I. Justi, E.
II. Kramer, J.
III. Schulze, R.

Office of Technical Services

Supersonic Absorption in Gases, by Hans H. Keller. 14 pp
GERMAN, per, Physik. Zeitschr. Vol 41, No 16, 1940,
pp 386-393.
AIR/FTD-HT-23-974-71

dec 71

Scheffers, H.
ON THE POLARIZABILITY OF THE HYDROGEN
ATOM (Zur Polarisierbarkeit des Wasserstoffatoms).
[1963] 11p 7refs
Order from SLA \$1.60 TT-64-10201

Trans. of Physikallische Zeitschrift (Germany) 1940,
v. 41, p. 399-401.

(Physics--Molecular, TT, v. 11, no. 12)

TT-64-10201

I. Scheffers, H.

Office of Technical Services

Salow, H.
ON THE ANGULAR DEPENDENCE OF SECONDARY
ELECTRON EMISSION IN INSULATORS. [1960] 15p.
22 refs.

Order from RIS \$5.50

RIS E-634

Trans. of Physikalische Zeitschrift (Germany) 1940,
v. 41, p. 434-442.

143,130

(Physics--Electronics, TT, v. 5, no. 1)

61-12044

- I. Secondary emission--
Measurement
2. Electric insulators--
Electromagnetic properties
1. Salow, H.
- II. RIS E-634
- III. Research Information
Service, New York

Office of Technical Services

Supersonic Dispersion and Fracture Velocity, by
A. Sackal, 18 pp.

GERMAN, per, Physik Z, Vol XLI, 1940, pp 475-480.

7
SLA Tr 54-1028

Sci - Physics

52,331

Sep 57

Lau, E. DISTANCE SIGNALS (Abstandssignale). [1961] [8]p. Order from SLA mi\$1.80, ph\$1.80 61-14281 Trans. of <u>Physikalische Zeitschrift</u> (Germany) 1940, v. 41, no. 23/24, p. 544-546.	61-14281 1. Signals 2. Title: Distance signals 1. Lau, E. 151848 Office of Technical Services
(Unannounced)	

The Daily Course of Cosmic Radiation, by W.
Kolhorster.

GERMAN, Ger; Phys Z., Vol XLII, 1941, pp 55-
57.

INSDOC-T-2083

Sci

Aug 58

72,034

Excerpt From an Article Entitled Experiments
With the Branching of the Current and Current Displace^{ment}
ment in Superconductors, by E. Justi, G. Zickner.
GERMAN, per, Physikalische Zeit, Vol XLII,
No 15/16, 1941, pp 257-273.
~~*Navy File~~

7/10/64 Ju 3435/RAL 992
Oct 64

Dispersion and Absorption of a Sound in Clouds,
by H. Oswatitsch.
GERMAN, per, Physikalische Zeitschrift, No 21/22
1941, pp 365-378.
*NASA TT-F-10,939

Sci/Physics
ny 67

Correlation Between the Relative Luminosity Factor
and the Lunar Phase, by Eberhard Buchwald, 9 pp.
GERMAN, per, Physikalische Zeit., Vol 42, 1941,
pp 378-381.
RSIC-746

GOVERNMENT USE ONLY

EE

Sci/Phy

Mar 68

342,485

Theory of Ferromagnetic Hysteresis and Initial
Permeability, by M. Karsten, 30 pp.

GERMAN, per, Physik Z., Vol XLIV, No 3/4, 1943,
pp 63-77.

SLA 60-18586

Sci
Jul 62

203,570

Vol 4, No 12